PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of	:	Docket No.: OT-4465
Terry M. Robar et al.	:	Date: August 30, 2001
Appln. No.: 09/280,637	:	Group Art: 2862
Filing Date: March 29, 1999	:	Examiner: W. Snow

Title: METHOD AND APPARATUS FOR MAGNETIC DETECTION
OF DEGRADATION OF JACKETED ELEVATOR ROPE (as Amended)

Commissioner for Patents
Washington, DC 20231

Sir:

AMENDMENT

In response to the Office Action mailed May 30, 2001, please amend the above-identified application as follows.

IN THE SPECIFICATION:

Please amend the paragraph beginning at page 5, line 16 to read as follows:

--According to Ohm's Law for magnetic circuits and including assumptions (a), (b) and (c) as stated above, the magnetic flux produced by the excitation system (with electromagnet or permanent magnet) is $\Phi = \dfrac{NI}{\Delta l_r / \mu_o \mu_r S_r + 2g / \mu_o S_g}$ and the magnetic flux density in the rope (equal to the magnetic flux density in a single strand) is $B = \dfrac{\Phi}{S_r} = \dfrac{\mu_o NI}{\Delta l_r / \mu_r + 2g S_r / S_g}$ where N is the number of turns of the electromagnet winding used for the excitation and I is the d.c. current in the electromagnet winding. The equivalent magnetic motive force (MMF) NI can also be produced by a permanent